JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Volume 113 (1992) Nos. 1–3, July II

CONTENTS

Preface xi

Ustinov, V.V., A.V. Kobelev, M.V. Perepelkina and A.A. Romanyukha
Ferromagnetic resonance in epitaxial iron–garnet magnetically coupled layers 1

Schmidt, W.
Percolations of magnetic phases and coercive fields in ultrathin ferromagnetic films 8

Schildberg, H.-P. and H. Hibst
Friction induced irreversible stretching of substrate films by recording with a catamaran glider on thin film floppy disks 13

Pan, G., D.J. Mapps, M.A. Akhter, J.C. Lodder, P. Ten Berge, H.Y. Wong and J.N. Chapman
Microstructure and magnetic properties of very thin CoCr films deposited on different underlayers by rf-sputtering 21

De Haan, P., Q. Meng, T. Katayama and J.C. Lodder
Magnetic and magneto-optical properties of sputtered Co/Pd multilayers 29

Ten Berge, P., C. Lodder, S. Porthun and T. Popma
Structural and magnetic characterization of very thin Co–Cr films 36

Srinivasan, D.R., G.A. Jones and P.J. Grundy
Electron microscopy investigations of the structure and properties of thin film rigid disks 47

Aharoni, A. and J.P. Jakubovics
Effect of magnetostriction on 90° domain walls in thin films 58

Greaves, S.J., A.K. Petford-Long, Y.-H. Kim, R.J. Pollard, P.J. Grundy and J.P. Jakubovics
A magnetic and high resolution structural investigation of Pt/Co multilayers 63

Široký, P., J. Sobota and L. Jastrabík
Ellipsometry of magnetron sputtered thin films of Ni, Si, AlN and Ni based multilayers 72

Okuyama, T., H. Yamamoto and T. Shinjo
Magneto-transport phenomena of multilayered films with two magnetic components 79

Politi, P., A. Rettori and M.G. Pini
Spin-wave excitations in thin ferromagnetic films with dipolar interaction and single-ion anisotropy 83

Ohkoshi, M., N. Watanabe and K. Tsushima
Ferromagnetic resonance in Co/W multilayers 92

Watson, M.L., J.S.S. Whiting, A. Chambers and S.M. Thompson
Studies of the effect of interfacial interdiffusion on the coupling of NiFe films through a chromium interfilm 97

Gijs, M.A.M. and M. Okada
Magnetoresistance and exchange coupling of Fe/Cr magnetic multilayers: dependence on temperature and Cr thickness 105

Watanabe, M., K. Takanashi and H. Fujimori
Perpendicular magnetic anisotropy and magnetooptical Kerr effect of FePt/Pt multilayer films 110

Ando, T., T. Sato and E. Ohta
Magnetoresistance of spin glass NiMn/Ni thin film 115

continued on page 3 of cover

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Volume 113 (1992) Nos. 1–3, July II

CONTENTS

Preface xi

Ustinov, V.V., A.V. Kobelev, M.V. Perepelkina and A.A. Romanyukha
Ferromagnetic resonance in epitaxial iron–garnet magnetically coupled layers 1

Schmidt, W.
Percolations of magnetic phases and coercive fields in ultrathin ferromagnetic films 8

Schildberg, H.-P. and H. Hibst
Friction induced irreversible stretching of substrate films by recording with a catamaran glider on thin film floppy disks 13

Pan, G., D.J. Mapps, M.A. Akhter, J.C. Lodder, P. Ten Berge, H.Y. Wong and J.N. Chapman
Microstructure and magnetic properties of very thin CoCr films deposited on different underlayers by rf-sputtering 21

De Haan, P., Q. Meng, T. Katayama and J.C. Lodder
Magnetic and magneto-optical properties of sputtered Co/Pd multilayers 29

Ten Berge, P., C. Lodder, S. Porthun and T. Popma
Structural and magnetic characterization of very thin Co–Cr films 36

Srinivasan, D.R., G.A. Jones and P.J. Grundy
Electron microscopy investigations of the structure and properties of thin film rigid disks 47

Aharoni, A. and J.P. Jakubovics
Effect of magnetostriction on 90° domain walls in thin films 58

Greaves, S.J., A.K. Petford-Long, Y.-H. Kim, R.J. Pollard, P.J. Grundy and J.P. Jakubovics
A magnetic and high resolution structural investigation of Pt/Co multilayers 63

Široký, P., J. Sobota and L. Jastrabík
Ellipsometry of magnetron sputtered thin films of Ni, Si, AlN and Ni based multilayers 72

Okuyama, T., H. Yamamoto and T. Shinjo
Magneto-transport phenomena of multilayered films with two magnetic components 79

Politi, P., A. Rettori and M.G. Pini
Spin-wave excitations in thin ferromagnetic films with dipolar interaction and single-ion anisotropy 83

Ohkoshi, M., N. Watanabe and K. Tsushima
Ferromagnetic resonance in Co/W multilayers 92

Watson, M.L., J.S.S. Whiting, A. Chambers and S.M. Thompson
Studies of the effect of interfacial interdiffusion on the coupling of NiFe films through a chromium interfilm 97

Gijs, M.A.M. and M. Okada
Magnetoresistance and exchange coupling of Fe/Cr magnetic multilayers: dependence on temperature and Cr thickness 105

Watanabe, M., K. Takanashi and H. Fujimori
Perpendicular magnetic anisotropy and magnetooptical Kerr effect of FePt/Pt multilayer films 110

Ando, T., T. Sato and E. Ohta
Magnetoresistance of spin glass NiMn/Ni thin film 115

continued on page 3 of cover